



United States  
Department of  
Agriculture

Forest  
Service

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# Appendix A

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## MORRISON RUN PROJECT

### Site-Specific Proposed Activities

Bradford Ranger District, Allegheny National Forest

## Vegetation Management Proposals

The table below identifies the treatments proposed for each stand. The Morrison Run EA and Map 1 provide further information regarding these proposals, and the Forest Plan Appendix A describes the programmatic rationale for vegetation management practices.

**Table 1. Proposed vegetation management activities.**

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
442007	Shelterwood seed cut/ Shelterwood removal cut	22	22	X	X	X				X		3.0
442012	Accelerate mature forest conditions	86	86							X		2.2
442015	Non-commercial release	14	14			X						2.2
442032	Shelterwood seed cut/ Shelterwood removal cut	18	18	X	X	X				X		3.0
443034	Commercial thin	51	51									3.0
443034	Shelterwood seed cut/ Shelterwood removal cut	12	12	X	X	X						3.0
443047	Shelterwood seed cut/ Shelterwood removal cut	13	13	X	X	X						3.0
443053	Non-commercial release	5	5			X						3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
443054	Non-commercial release	8	8			X						3.0
446001	Non-commercial white pine release	3	3			X						2.2
446001	Non-commercial white pine release	20	20			X						2.2
446001	Non-commercial white pine release	3	3			X						2.2
446001	Oak release	14	14							X		2.2
446002	Non-commercial white pine release	14	14			X						2.2
446011	Accelerate mature forest conditions	3	3							X		2.2
446011	Non-commercial white pine release	3	3			X						2.2
446011	Oak release	2	2							X		2.2
446011	Oak release	13	13							X		2.2
446019	Accelerate mature forest conditions	22	22							X		2.2
446024	Oak release	9	9							X		2.2

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
449004	Shelterwood seed cut/ Shelterwood removal cut	40	NA	X	X	X						3.0
449007	Shelterwood seed cut/ Shelterwood removal cut	37	NA	X	X	X				X		3.0
450001	Reforest	12	12	X	X	X		X	X			3.0
450003	Reforest	5	5	X	X	X		X	X			3.0
450004	Shelterwood seed cut/ Shelterwood removal cut	12	12	X	X	X		X				3.0
450009	Shelterwood seed cut/ Shelterwood removal cut	11	11	X	X	X						3.0
450011	Shelterwood seed cut/ Shelterwood removal cut	28	28	X	X	X						3.0
450016	Shelterwood seed cut/ Shelterwood removal cut	40	40	X	X	X			X			3.0
451001	Shelterwood seed cut/ Shelterwood removal cut	20	20	X	X	X		X				3.0
451006	Shelterwood seed cut/ Shelterwood	40	40	X	X	X		X				3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
	removal cut											
451007	Shelterwood seed cut/ Shelterwood removal cut	2	2	X	X	X		X				3.0
451008	Shelterwood seed cut/ Shelterwood removal cut	27	27	X	X	X		X				3.0
451011	Shelterwood seed cut/ Shelterwood removal cut	30	30	X	X	X		X				3.0
451016	Shelterwood seed cut/ Shelterwood removal cut	20	20	X	X	X		X				3.0
451017	Shelterwood seed cut/ Shelterwood removal cut	20	20	X	X	X		X				3.0
451027	Non-commercial release	18	18			X						3.0
452012	Shelterwood seed cut/ Shelterwood removal cut	43	40	X	X	X	X	X				3.0
452019	Shelterwood seed cut/ Shelterwood removal cut	11	NA	X	X	X	X		X			3.0
452021	Shelterwood seed cut/ Shelterwood	14	14	X	X	X	X		X			3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by "NA" under "Alt. 3 Acres") will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
	removal cut											
452027	Shelterwood seed cut/ Shelterwood removal cut	35	35	X	X	X	X		X			3.0
452028	Shelterwood seed cut/ Shelterwood removal cut	18	18	X	X	X	X	X				3.0
452029	Two-Age	8	8	X	X	X		X				2.2
452031	Shelterwood seed cut/ Shelterwood removal cut	15	NA	X	X	X	X	X				3.0
452040	Shelterwood seed cut/ Shelterwood removal cut	24	24	X	X	X	X		X			3.0
452050	Shelterwood seed cut/ Shelterwood removal cut	0.5	NA	X	X	X	X					3.0
453005	Non-commercial release	23	23			X						3.0
453010	Non-commercial release	38	38			X						3.0
453037	Non-commercial release	11	11			X						3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
453043	Reforest	28	28	X	X	X	X	X	X			2.2
454001	Rx burn for oak	25	25							X		3.0
454009	Shelterwood seed cut/ Shelterwood removal cut	36	36	X	X	X		X		X		3.0
454013	Rx burn for oak	41	41							X		3.0
454022	Shelterwood seed cut/ Shelterwood removal cut	40	NA	X	X	X						3.0
454029	Shelterwood seed cut/ Shelterwood removal cut	32	32	X	X	X						3.0
454034	Shelterwood seed cut/ Shelterwood removal cut	29	29	X	X	X		X				3.0
454042	Shelterwood removal cut	16	16	X		X		X				3.0
454044	Non-commercial release	37	37			X						3.0
454049	Shelterwood seed cut/ Shelterwood removal cut	10	10	X	X	X						3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by "NA" under "Alt. 3 Acres") will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
454050	Non-commercial release	10	10			X						3.0
454024	Rx burn for oak	34	34							X		3.0
454057	Aspen clearcut	4	4			X	X			X	X	3.0
454062	Shelterwood seed cut/ Shelterwood removal cut	30	30	X	X	X						3.0
454065	Shelterwood seed cut/ Shelterwood removal cut	49	36	X	X	X	X		X			3.0
454066	Shelterwood seed cut/ Shelterwood removal cut	4	2	X	X	X	X		X			3.0
455002	Shelterwood removal cut	3	3	X	X	X						3.0
455008	Non-commercial release	21	21		X	X						3.0
455008	Shelterwood seed cut/ Shelterwood removal cut	17	NA	X	X	X	X		X			3.0
455009	Shelterwood seed cut/ Shelterwood removal cut	37	37	X	X	X		X	X			3.0



Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
455015	Shelterwood seed cut/ Shelterwood removal cut	23	NA	X	X	X	X		X			3.0
455016	Shelterwood seed cut/ Shelterwood removal cut	33	33	X	X	X			X			3.0
455019	Non-commercial release	44	44			X						3.0
455020	Non-commercial release	24	24			X						3.0
455022	Shelterwood seed cut/ Shelterwood removal cut	25	16	X	X	X	X		X			3.0
455023	Shelterwood seed cut/ Shelterwood removal cut	51	35	X	X	X	X	X				3.0
455024	Shelterwood seed cut/ Shelterwood removal cut	6	NA	X	X	X	X		X			3.0
455026	Shelterwood seed cut/ Shelterwood removal cut	33	33	X	X	X						3.0
455028	Shelterwood seed cut/ Shelterwood removal cut	26	NA	X	X	X	X	X				3.0
455030	Shelterwood seed cut/ Shelterwood	42	42	X	X	X					X	3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by "NA" under "Alt. 3 Acres") will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
	removal cut											
455036	Non-commercial release	16	16			X						3.0
455037	Shelterwood seed cut/ Shelterwood removal cut	12	12	X	X	X						3.0
455043	Shelterwood seed cut/ Shelterwood removal cut	6	6	X	X	X			X			3.0
455045	Shelterwood seed cut/ Shelterwood removal cut	21	NA	X	X	X	X	X	X			3.0
455046	Shelterwood seed cut/ Shelterwood removal cut	2	2	X	X	X			X			3.0
455048	Shelterwood seed cut/ Shelterwood removal cut	39	39	X	X	X		X	X			3.0
455050	Non-commercial eastern hemlock release	14	14	X	X	X					X	3.0
455054	Shelterwood seed cut/ Shelterwood removal cut	11	11	X	X	X		X				3.0
455057	Commercial thin	13	13									3.0

Compartment and Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) will not be implemented								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
455057	Shelterwood seed cut/ Shelterwood removal cut	27	27	X	X	X		X				3.0
455071	Shelterwood seed cut/ Shelterwood removal cut	20	20	X	X	X			X			3.0
456004	Shelterwood seed cut/ Shelterwood removal cut	9	9	X	X	X						3.0
456005	Shelterwood seed cut/ Shelterwood removal cut	24	24	X	X	X		X				3.0
456020	Shelterwood removal cut	28	28	X	X	X		X				3.0
456023	Non-commercial release	45	45			X						3.0
456034	Shelterwood seed cut/ Shelterwood removal cut	4	4	X	X	X		X				3.0
456035	Non-commercial release	12	12			X						3.0
457029	Shelterwood seed cut/ Shelterwood removal cut	32	32	X	X	X						3.0

## Transportation Proposals

### **Road Construction:**

- ***Road construction - new corridor (0.7 miles):*** In order to provide access to proposed treatment stands where there is no existing system road.
- ***Road construction - existing corridor (10.2 mile):*** Add existing non-system roads (predominately oil, gas, and mineral operators road easements) to the NFS to provide access to proposed treatments.

### **Road Decommissioning:**

***Decommission NFS and NS roads (1.0 miles):*** Decommission parts of FR266A, NS42920, and NS51758 including stabilizing the road surface and removing culverts.

**Table 2. Proposed road construction and reconstruction information.**

Road Activity	Total Mileage	Proposed* / Existing Road Numbers (Miles)
Road construction - new corridor*	0.7	FR656 (0.15 mi), FR658 (0.55 mi)
Road construction – existing corridor*	10.2	FR147A (0.87 mi), FR177B Extension (0.41 mi), FR267CB (0.26 mi), FR268AA Extension (1.43 mi), FR268B (0.92 mi), FR268C (0.9 mi), FR511 (1.02 mi), FR511A (0.48 mi), FR515 (0.96 mi), FR515A (0.56 mi), FR627 Extension (0.08 mi), FR267A (0.95 mi), FR656 (0.13 mi), FR657 (1.19 mi)
Road decommissioning	1.0	FR266A (0.4 mi) , NS42920 (0.1 mi), NS51758 (0.5 mi)
Road management changes	3.4	FR268 (Change from closed to restricted)

\*Proposed road numbers for new NFS roads

### **Road Maintenance:**

***Road Surfacing:*** In addition to the proposed actions, high quality surfacing would be applied on 1.86 miles of existing FS system roads that are within 300 feet of a stream or have runoff concerns under Alternatives 2 and 3. This maintenance would likely be deferred if the Deciding Official selects Alternative 1.

***Road Stormproofing:*** Approximately ? mile of FR?? would be stormproof to restore the road to a condition that prepares the road to better withstand storm and runoff events. This process may include blocking the entrance, pulling out culverts, restoring natural drainage, seeding, and water barring. This road would be managed as a closed road; consequently changing the operational maintenance level to 1. FR177A (0.7 mi), FR265 (0.3 mi), FR517 (1.2 mi), FR614 (1.7 mi)

### **Stone Pit Activity:**

- **Expand existing pits (6):** Expand six existing pits up to 12 acres total and rehabilitate the depleted sections of one of these pits to prevent erosion by re-contouring, seeding, and mulching and improve wildlife habitat in these areas by constructing vernal pools.

- **Rehabilitate existing pits (3):** Rehabilitate three depleted pits (9 acres) to prevent erosion by recontouring, seeding, and mulching and improve wildlife habitat in two of these through the construction of vernal pools.

### Wildlife Habitat Improvement Proposals

**Table 3. Proposed wildlife habitat improvements.**

Treatment	Compartment/Stand	Total Acres
Herbicide to improve cover and forage conditions	443056, 449002, 450026, 452042, 454073, 455041	18
Construct vernal pools and plant shrubs to improve wildlife water availability and promote amphibian habitat	446020, 446033, 449003, 449025, 450026, 452041, 453034, 455066, 455041	9 pools
Prescribed burn to promote growth of warm season grasses for wildlife nesting, forage & cover	442040, 443056	4
Create basking areas for reptiles	453013, 453027, 453041	2.0

### Riparian and Aquatic Proposals

**Table 4. Proposed riparian treatments.**

Stream Name	Total Length (miles)
Pigeon Run	1.1
Hemlock Run	1.5
Morrison Run	1.5
<b>Total</b>	<b>4.1</b>

## Non-Native Invasive Plant (NNIP) Treatment Proposals

**Table 6. Proposed non-native invasive plant treatment.**

Compartment/ Stand	Acres of infestation	Compartment/ Stand	Acres of infestation	Compartment/ Stand	Acres of infestation
442012	0.3	452028	0.001	456004	0.001
442016	0.7	452029	0.3	456005	0.111
442033	0.7	452037	0.01	456016	0.3
443034	0.301	452042	0.2	456018	0.001
443047	0.16	453037	0.001	456020	0.2
443053	0.11	453043	0.001	456023	0.4
443054	0.01	454011	0.001	456034	0.1
					0.3
446001	0.4	454034	0.05	457029	
446002	0.2	454042	3		Acres of
446007	0.1	454044	0.2	Road Number	infestation
446008	0.1	454046	0.4	FR266a	0.1
446012	0.1	454062	0.11	FR454	0.6
446015	0.1	454065	0.401	FR147	2.5
446016	0.3	454066	0.1	FR268	6.6
446018	0.1	455002	0.4	SR59	10.61
446019	0.1	455008	2	SR321	18.71
446022	0.1	455013	1.5		
446023	0.1	455016	0.6	Stream	Acres of
446029	0.1	455017	0.4	Corridor	infestation
446030	0.1	455019	0.2	Brothwell Run	0.143
446033	0.0001	455020	0.71	Chappel Fork - Stream Survey	5.9092
447001	0.5	455022	0.8	Indian Run - Stream Survey	0.21
447010	0.1	455023	0.1	Morrison Run	1.001
449003	0.001	455024	0.1	N. Chappel Fork - Stream Survey	2.0294
449004	0.0501	455026	0.3	Pigeon Run	0.013
449007	0.2	455028	0.1	Wolf Run Marina	0.5102

449025	0.001	455036	0.1	Acres infested identified during surveys	72
450001	0.245	455037	0.11		
450003	0.1	455041	0.402		
450004	0.102	455043	0.4	Additional treatment acres predicted by 2020	370
450028	0.12	455044	0.2		
451006	0.1	455045	0.1		
451008	0.001	455046	0.0001		
451011	0.01	455048	0.6		
451027	0.2	455050	0.2	Total estimated NNIP treatments by 2020	442
452017	0.16	455057	0.1001		
452018	0.06	455068	0.3		
452020	0.06	455071	0.0001		

### Recreation Proposals

**Table 7. Proposed recreation treatments.**

Treatment	Location	Total acres
0.01 miles of vista thinning and clearing.	456016 South of the entrance to Dunkle Corners	2
0.15 miles of vista thinning. Preserve feature trees.		3
0.2 miles of vista clearing.	456016 North of the powerline right of way	2
0.4 miles of vista thinning. Preserve feature trees.	456016 South of the powerline right of way	3